Attorney's Docket No.: 17601-039001 / 067083.0



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steven R. Pauley

Art Unit : 3672

Serial No.: 10/715,300

Examiner: Thomas S. Bomar

Filed

: November 17, 2003

Title

: MULTI-PURPOSE WELL BORES AND METHOD FOR ACCESSING A

SUBTERRANEAN ZONE FROM THE SURFACE

MAIL STOP AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed before the receipt of a first Office Action on the merits. No fees are believed to be due. However, please apply any deficiencies or any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

Respectfully submitted,

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U.S. Department of Commerce Patent and Trademark Office

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ក្រតិការation Disclosure Statement by Applicant

Ise several sheets if necessary)

Applicant
Steven R. Pauley

Filing Date November 17, 2003 Group Art Unit 3672

Examiner	Desig.	Document	Publication	nt Documents			Filing Date
Initial	ID	Number	Date	Patentee	Class	Subclass	If Appropriate
	A1	3,163,211	12/29/1964	D.H. Henley			
	A2	3,578,077	05/11/1971	Glenn, Jr. et al.		* · · · · · · · · · · · · · · · · · · ·	
	A3	4,676,313	06/30/1987	Rinaldi			
	A4	4,705,109	11/10/1987	Ledent et al.			
	A5	4,718,485	01/12/1988	Brown et al.			
	A6	4,727,937	03/01/1988	Shum et al.			
	A7	5,016,709	05/21/1991	Combe et al.			-
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	A14	5,988,278	11/23/1999	Johnson			
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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A28	2004/0020655 A1	02/05/2004	Rusby et al.			

	Foreig	n Patent Docur	nents or Pub	lished Foreign	Patent A	Applicatio	ns	
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans Yes	lation No
	B1	WO 97/21900	06/19/1997	WIPO			N/A	
	B2	WO 98/25005	06/11/1998	WIPO			N/A	
	В3	WO 2005/003509 A1	01/13/2005	WIPO			N/A	

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	C1	Dreiling, Tim, McClelland, M.L. and Bilyeu, Brad, "Horizontal & High Angle Air Drilling in the San Juan Basin, New Mexico," Believed to be dated April 1996, pp. 1-11
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	C4	Molvar, Erik M., "Drilling Smarter: Using Directional Drilling to Reduce Oil and Gas Impacts in the Intermountain West," Prepared by Biodiversity Conservation Alliance, Report issued February 18, 2003, 34 pages
	C5	King, Robert F., "Drilling Sideways – A Review of Horizontal Well Technology and Its Domestic Application," DOE/EIA-TR-0565, U.S. Department of Energy, April 1993, 30 pages
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	C12	U.S. Environmental Protection Agency, "Directional Drilling Technology," prepared for the EPA by Advanced Resources International under Contract 68-W-00-094, Coalbed Methane Outreach Program (CMOP), Website: http://search.epa.gov/s97is.vts, printed 3/17/2005, 13 pages
	C13	"Meridian Tests New Technology," Western Oil World, June 1990, Cover, Table of Contents and p. 13
	C14	Clint Leazer and Michael R. Marquez, "Short-Radius Drilling Expands Horizontal Well Applications," Petroleum Engineer International, April 1995, 6 pages
	C15	Terry R. Logan, "Horizontal Drainhole Drilling Techniques Used in Rocky Mountains Coal Seams," Geology and Coal-Bed Methane Resources of the Northern San Juan Basin, Colorado and New Mexico, Rocky Mountain Association of Geologists, Coal-Bed Methane, San Juan Basin, 1988, pp. cover, 133-142
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	C17	Karen Bybee, highlights of paper SPE 84424, "Coalbed-Methane Reservoir Simulation: An Evolving Science," by T.L. Hower, JPT Online, April 2004, Website: http://www.spe.org/spe/jpt/jsp/jptpapersynopsis/0,2439,1104_11038_2354946_2395832,00.html , printed April 14, 2005, 4 pages
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	C19	Calendar of Events – Conference Agenda, Fifth Annual Unconventional Gas and Coalbed Methane Conference, October 22-24, 2003, in Calgary Alberta, Website: http://www.csug.ca/cal/calc0301a.html , printed March 17, 2005, 5 pages
	C20	Tom Engler and Kent Perry, "Creating a Roadmap for Unconventional Gas R&D," Gas TIPS, Fall 2002, pp. 16-20
	C21	CSIRO Petroleum – SIMEDWin, "Summary of SIMEDWin Capabilities," Copyright 1997-2005, Website: http://www.dpr.csiro.au/ourcapabilities/petroleumgeoengineering/reservoirengineering/projects/simed/win/assets/simed/index.html, printed March 17, 2005, 10 pages
	C22	Solutions From the Field, "Coalbed Methane Resources in the Southeast," Copyright 2004, Website: http://www.pttc.org/solutions/sol_2004/537.htm , printed March 17, 2005, 7 pages

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	C23	Jeffrey R. Levine, Ph.D., "Matrix Shrinkage Coefficient," Undated, 3 pages
	C24	G. Twombly, S.H. Stepanek, T.A. Moore, "Coalbed Methane Potential in the Waikato Coalfield of New Zealand: A Comparison With Developed Basins in the United States, 2004 New Zealand Petroleum Conference Proceedings, March 7-10, 2004, pp. 1-6
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	C26	Solutions From the Field, "Horizontal Drilling, A Technology Update for the Appalachian Basin," Copyright 2004, Website: http://www.pttc.org/solutions/sol_2004/535.htm , printed March 17, 2005, 6 pages
	C27	R. Purl, J.C. Evanoff and M.L. Brugler, "Measurement of Coal Cleat Porosity and Relative Permeability Characteristics," SPE 21491, Society of Petroleum Engineers, Copyright 1991, pp. 93-104
	C28	Peter Jackson, "Drilling Technologies for Underground Coal Gasification," IMC Geophysics Ltd., International UCG Workshop – October 2003 (20 pages)
	C29	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages) and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2005/002162 mailed April 22, 2005
	C30	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages) and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2005/005289 mailed April 29, 2005
	C31	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (5 pages) and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2004/036616 mailed February 24, 2005
	C32	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (3 pages) for International Application No. PCT/US03/13954 mailed April 14, 2005
	C33	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (5 pages) mailed January 18, 2005 and Written Opinion (8 pages) mailed August 25, 2005 for International Application No. PCT/US03/30126
	C34	Notification of Transmittal of the International Search Report or the Declaration (3 pages) and International Search Report (5 pages) mailed November 10, 2000 for International Application No. PCT/US99/27494
	C35	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (6 pages) mailed April 2, 2001 and Written Opinion mailed September 27, 2000 for International Application No. PCT/US99/27494

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	C36	Notification of Transmittal of the International Search Report or the Declaration (3 pages) and International Search Report (5 pages) mailed June 6, 2002 for International Application No. PCT/US02/02051
	C37	Notification of Transmittal of the International Search Report or the Declaration (3 pages) and International Search Report (6 pages) mailed March 13, 2003 for International Application No. PC/US02/33128
	C38	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (3 pages mailed April 22, 2004 and Written Opinion mailed September 4, 2003 for International Application No. PCT/US02/33128

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